

## LEHRER LANDFILL

Job No. 6148-A

## SUMMARY OF CONSTANT HEAD PERMEABILITY TEST RESULTS

Boring	Sample	Depth	Soil Description	Test Duration (Seconds)	Coefficient of Permeability (cm/sec)
3	9	25'-27'	Red brown silty clay with trace to some organic matter (CL)	60,300	$5.0 \times 10^{-9}$
	17	65'-67'	Varved reddish brown to gray brown clay and silt (CL & ML)	25,200	$1.3 \times 10^{-8}$
				242,100	$4.9 \times 10^{-9}$
				25,200	$3.0 \times 10^{-8}$
				60,900	$1.7 \times 10^{-8}$
				181,200	$1.0 \times 10^{-8}$
5	8	20'-22'	Red brown silty clay, trace gravel (CL-CH)	64,800	$2.6 \times 10^{-8}$
				30,600	$4.8 \times 10^{-8}$
				71,700	$2.4 \times 10^{-8}$
5	18	70'-72'	Varved red & brown clay & gray brown silt in $\frac{1}{4}$ " to 1" seams (CL & ML)	25,200	$8.1 \times 10^{-9}$
				60,900	$5.0 \times 10^{-9}$
				27,000	$9.0 \times 10^{-9}$
5	22	90'-92'	Gray brown silty clay, trace to some gravel, red clay seams (CL)	23,400	$1.6 \times 10^{-8}$
				24,000	$3.1 \times 10^{-8}$
				71,700	$1.5 \times 10^{-8}$
6	2	2'-4'	Red brown to brown silty clay, trace to some sand, gravel-(CL)	87,300	$2.8 \times 10^{-8}$
				60,300	$2.5 \times 10^{-8}$
				25,200	$3.3 \times 10^{-8}$

PRELIMINARY

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Lake Mich. Dist.

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## SUMMARY OF CONSTANT HEAD PERMEABILITY TEST RESULTS

Coefficient of Permeability  
(cm/sec)

Test Duration (Seconds)

Soil Description

Sample Depth

6	9	25'-27'	Irregularly varved red brown clay & gray brown silt, trace gravel (CL-ML)	87,300	2.9 x 10 <sup>-8</sup>
				60,300	3.3 x 10 <sup>-8</sup>
				26,400	4.2 x 10 <sup>-8</sup>

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PRELIMINARY